

Michigan Department of Licensing and Regulatory Affairs
Dosimetry for Dental X-ray Machines
Radiation Safety Section

Type of Machine	Policy	Rationale
Intraoral Panoramic Cephalometric Dental CT Dental tomography machines that operate at less than 100 mA	Dosimeters are not required.	<p>The <i>Ionizing Radiation Rules</i> do not require dosimeters for intraoral, panoramic or cephalometric machines.</p> <p>Dental CT machines are not specifically mentioned in the Rules but they are low-power machines with radiation scatter levels only slightly higher than panoramic machines.</p> <p>Dental tomography machines that operate at less than 100 mA are also low-power machines with scatter levels in the range of cephalometric machines.</p>
Dental tomography machines that operate at 100 mA or greater	A dosimeter is required.	Dental tomography machines that operate at 100 mA or greater are like medical x-ray machines. These machines are required to meet the requirements of Part 7, Medical X-Ray Installations.